

# Manufacturers' Shipments, Inventories, and Orders

September 1992

M3-1-(92)-9

For Wire Transmissions 10:00 a.m. E.S.T. November 4, 1992



U. S. Department of Commerce  
BUREAU OF THE CENSUS

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Note: All figures in text are in seasonally adjusted current dollars

## Summary

New orders for manufactured goods in September increased \$2.6 billion or 1.1 percent to \$239.4 billion, the Department of Commerce, Bureau of the Census reported today. This follows decreases of 2.2 percent in August and 0.9 percent in July. Excluding defense, new orders were up \$4.1 billion, the first increase in three months. New orders without transportation equipment increased \$4.6 billion or 2.2 percent.

Shipments increased \$4.3 billion or 1.8 percent to \$245.3 billion, following a 2.5 percent decline in August. This is the first increase in three months. Excluding defense, shipments increased \$3.9 billion, the seventh increase in the last nine months. Without transportation equipment, shipments were up \$4.7 billion or 2.3 percent.

Unfilled orders decreased \$5.8 billion or 1.2 percent to \$475.9 billion and are at the lowest level since \$471.9 billion in December 1988. This is the thirteenth consecutive monthly decline. Excluding defense, unfilled orders decreased \$2.7 billion. Without transportation equipment, unfilled orders declined \$1.0 billion or 0.4 percent.

Inventories decreased \$1.0 billion or 0.3 percent to \$384.6 billion, following increases of 0.5 percent in August and 0.2 percent in July. Without defense, inventories increased \$0.2 billion, the fifth consecutive monthly increase. The inventories-to-shipments ratio decreased from 1.60 in August to 1.57 in September.

## New Orders

New orders for durable goods in September decreased \$0.2 billion or 0.1 percent to \$119.2 billion. The September decline follows decreases of 0.4 percent in August and 2.7 percent in July.

Transportation equipment had the largest decrease, down \$2.1 billion or 7.3 percent to \$26.3 billion, primarily due to aircraft and parts and motor vehicles and parts. Primary metals declined \$1.2 billion or 10.4 percent to \$10.0 billion, the largest decrease since 10.7 percent in March 1989. Electronic and other electrical equipment had the largest increase, up \$1.0 billion or 5.8 percent to \$18.4 billion, primarily due to electronic components and communications equipment. Fabricated metal products and industrial machinery and equipment also had large increases.

New orders for nondurable goods increased \$2.7 billion or 2.3 percent to \$120.2 billion, following a 4.0 percent decline in August. This is the seventh increase in the last eight months. The largest increases were in tobacco products, food and kindred products, printing and publishing, and chemical and allied products.

## Shipments

Shipments of durable goods in September increased \$1.3 billion or 1.1 percent to \$124.7 billion, following a 1.1 percent decline in August. The largest increase was in electronic and other electrical equipment, up \$0.8 billion or 4.4 percent to \$18.0 billion, primarily due to communications equipment and electronic components. Transportation equipment had the largest decline, down \$0.5 billion or 1.5 percent to \$31.2 billion, due to motor vehicles and parts.

Shipments of nondurable goods were up \$2.9 billion or 2.5 percent to \$120.6 billion, following a 3.9 percent decrease in August. This is the seventh increase in the last eight months. The largest increase was in tobacco products, up \$1.5 billion. Food and kindred products was up \$0.9 billion. Petroleum and coal products declined \$0.3 billion.

## Unfilled Orders

Unfilled orders for durable goods in September decreased \$5.5 billion or 1.2 percent to \$453.3 billion, the lowest level since \$450.0 billion in December 1988. This is the thirteenth consecutive monthly decline. Transportation equipment had the largest decline, down \$4.9 billion or 1.9 percent to \$249.1 billion, primarily due to aircraft and parts. Transportation equipment has declined in twelve of the last thirteen months. Primary metals decreased \$0.9 billion or 4.2 percent to \$20.4 billion. The largest increases occurred in fabricated metal products up \$0.4 billion or 1.8 percent to \$22.9 billion and electronic and other electrical equipment, up \$0.3 billion or 0.7 percent to \$42.3 billion. Unfilled orders for nondurable goods declined \$0.3 billion or 1.5 percent to \$22.7 billion.

## Inventories

Inventories for durable goods in September decreased \$1.3 billion or 0.5 percent to \$240.7 billion, the eleventh decline in the last twelve months. Transportation equipment had the largest decrease, down \$0.8 billion or 1.1 percent to \$69.5 billion, as declines in aircraft and parts and shipbuilding and tanks more than offset an increase in motor vehicles and parts.

Nondurable goods, up \$0.3 billion or 0.2 percent to \$143.8 billion, have increased for eight consecutive months. Chemicals and allied products had the largest increase, up \$0.3 billion. The largest decrease was in tobacco products, down \$0.2 billion.

By stage of fabrication, finished goods decreased 0.5 percent in durables and increased 0.1 percent in nondurables. Work in process was down 1.0 percent in durables and up 0.7 percent in nondurables. Materials and supplies increased 0.2 percent in durables and 0.1 percent in nondurables.

The advance report on durable goods for October is scheduled for November 24, 1992 at 8:30 a.m. and the full report on December 3, 1992 at 10:00 a.m. For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. This report is also available the day of issue through the Department of Commerce's online Economic Bulletin Board (N-8-1) (202-482-3870) and through the Census Bureau's online information service-CENDATA. CENDATA is available from Dialog Information Services, Inc. (1-800-334-2464) and CompuServe (1-800-848-8199). The CENDATA staff at the Bureau of the Census (301-763-2074) can provide content information and general guidance.

**Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS**  
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted <sup>1</sup>						
	Monthly			Percent Change			Monthly				Percent change	Year to date	
	Sept. 1992 <sup>P</sup>	Aug. 1992 <sup>r</sup>	July 1992	Aug.-Sept.	July-Aug.	June-July	Sept. 1992 <sup>P</sup>	Aug. 1992 <sup>r</sup>	July 1992	Sept. 1991		1992 <sup>P</sup>	1991
All manufacturing industries . . . . .	245,282	241,014	247,216	+1.8	-2.5	0.0	262,590	242,572	226,244	254,174	+3.3	2,175,340	2,102,671
Manufacturing Industries													
with unfilled orders . . . . .	130,833	128,741	132,218	+1.6	-2.6	-0.1	141,071	128,169	118,701	138,071	+2.2	1,160,207	1,128,834
without defense capital goods . . .	237,190	233,271	239,140	+1.7	-2.5	0.0	253,839	235,078	219,148	244,813	+3.7	2,104,437	2,028,888
Durable goods industries . . . . .	124,699	123,364	124,789	+1.1	-1.1	-0.8	133,896	122,149	109,301	130,137	+2.9	1,107,296	1,056,599
With unfilled orders . . . . .	102,255	100,631	102,828	+1.6	-2.1	-0.7	110,845	99,264	91,126	107,999	+2.6	905,483	875,614
Stone, clay, and glass products . . . .	5,555	5,428	5,518	+2.3	-1.6	+3.7	6,072	5,832	5,371	5,292	+14.7	47,233	43,073
Primary metals . . . . .	10,872	10,921	11,166	-0.4	-2.2	-1.1	11,335	11,132	10,401	11,429	-0.8	100,207	98,220
Blast furnaces, steel mills . . . . .	4,637	4,628	4,640	+0.2	-0.3	-1.9	4,762	4,660	4,301	4,829	-1.4	42,554	41,344
Iron and steel foundries . . . . .	975	980	953	-0.5	+2.8	-6.0	1,039	1,021	817	981	+5.9	8,949	8,319
Nonferrous and other primary metals . . . . .	5,260	5,313	5,573	-1.0	-4.7	+0.5	5,534	5,451	5,283	5,619	-1.5	48,704	48,557
Fabricated metal products . . . . .	13,472	13,400	13,395	+0.5	0.0	-0.1	14,233	13,488	12,192	13,937	+2.1	119,384	116,946
Industrial machinery and equipment . .	21,042	20,924	21,050	+0.6	-0.6	-2.6	23,179	19,503	18,219	22,032	+5.2	186,124	181,392
Engines and turbines . . . . .	1,678	1,469	1,498	+14.2	-1.9	-11.2	1,930	1,334	1,135	1,825	+5.8	13,451	13,312
Farm and garden machinery . . . . .	922	972	1,055	-5.1	-7.9	-2.0	877	775	806	1,047	-16.2	10,216	10,674
Construction, mining and material handling equipment . . . . .	2,497	2,399	2,292	+4.1	+4.7	-5.9	2,470	2,306	2,191	2,702	-8.6	20,642	23,150
Metalworking machinery . . . . .	2,406	2,246	2,105	+7.1	+6.7	-4.8	2,574	2,139	1,832	2,166	+18.8	19,213	17,445
Computer and office equipment . . .	5,803	5,949	6,147	-2.5	-3.2	+0.4	7,469	5,264	4,638	6,387	+16.9	51,293	44,994
Electronic and other electrical equipment . . . . .	18,047	17,293	18,143	+4.4	-4.7	+4.9	19,845	17,158	16,162	18,551	+7.0	154,653	147,089
Electrical transmission and distribution equipment and industrial apparatus . . . . .	2,385	2,338	2,436	+2.0	-4.0	+4.6	2,683	2,261	2,158	2,563	+4.7	21,113	20,670
Household appliances . . . . .	1,626	1,581	1,577	+2.8	+0.3	+2.7	1,685	1,577	1,517	1,598	+5.4	14,045	13,730
Electric lighting and wiring equipment . . . . .	1,723	1,661	1,688	+3.7	-1.6	-4.5	1,883	1,669	1,451	1,798	+4.7	15,134	14,450
Household audio and video equipment . . . . .	959	1,066	1,149	-10.0	-7.2	+33.6	1,252	1,132	925	1,284	-2.5	8,658	7,404
Communications equipment . . . . .	4,152	3,749	4,281	+10.7	-12.4	+13.6	4,583	3,615	3,677	3,928	+16.7	33,500	29,990
Electronic components . . . . .	5,599	5,323	5,427	+5.2	-1.9	+2.2	5,907	5,324	5,074	5,424	+8.9	48,114	46,328
Transportation equipment . . . . .	31,210	31,673	31,574	-1.5	+0.3	-3.8	32,978	30,917	24,811	34,372	-4.1	285,942	266,602
Motor vehicles and parts . . . . .	18,886	19,494	19,035	-3.1	+2.4	-2.5	19,572	19,317	13,562	19,588	-0.1	172,512	151,478
Aircraft, missiles, space vehicles, and parts . . . . .	9,834	9,806	10,142	+0.3	-3.3	-8.1	10,812	9,201	9,030	12,340	-12.4	92,472	94,775
Shipbuilding and tanks . . . . .	1,105	1,089	1,103	+1.5	-1.3	+6.6	1,145	1,085	1,039	1,160	-1.3	9,552	9,960
Instruments and related products . . .	10,479	10,118	10,161	+3.6	-0.4	-3.0	11,212	9,786	9,236	10,981	+2.1	91,454	91,576
Search and navigation equipment . . .	2,704	2,627	2,672	+2.9	-1.7	-4.5	2,931	2,559	2,286	3,037	-3.5	23,886	25,762
Measuring and controlling devices . .	2,717	2,642	2,625	+2.8	+0.6	-0.8	2,880	2,605	2,408	2,735	+5.3	23,800	22,939
Medical instruments and supplies . .	2,970	2,822	2,837	+5.2	-0.5	-4.5	3,139	2,742	2,692	2,984	+5.2	25,912	24,901
Photographic goods . . . . .	1,719	1,661	1,670	+3.5	-0.5	-1.9	1,875	1,522	1,507	1,851	+1.3	14,709	15,025
All other durable goods . . . . .	14,022	13,607	13,782	+3.0	-1.3	+1.4	15,042	14,333	12,909	13,543	+11.1	122,299	111,701
Nondurable goods industries . . . . .	120,583	117,650	122,427	+2.5	-3.9	+0.8	128,694	120,423	116,943	124,037	+3.8	1,068,044	1,046,072
With unfilled orders . . . . .	28,578	28,110	29,390	+1.7	-4.4	+2.3	30,226	28,905	27,575	30,072	+0.5	254,724	253,220
Food and kindred products . . . . .	33,540	32,662	32,666	+2.7	0.0	+0.9	35,504	32,745	31,393	34,117	+4.1	293,433	288,887
Meat products . . . . .	7,659	7,440	7,415	+2.9	+0.3	-0.1	7,942	7,627	7,260	7,671	+3.5	66,611	67,562
Dairy products . . . . .	4,416	4,396	4,345	+0.5	+1.2	-0.6	4,513	4,486	4,348	4,266	+5.8	38,945	36,859
Beverages . . . . .	4,726	4,629	4,593	+2.1	+0.8	-0.8	4,802	4,913	4,901	4,563	+5.2	42,580	40,716
All other foods, except fats and oils .	14,934	14,524	14,641	+2.8	-0.8	+2.7	16,442	14,046	13,212	15,889	+3.5	129,869	129,128
Tobacco products . . . . .	3,568	2,045	3,304	+74.5	-38.1	-6.2	4,064	1,994	2,351	3,197	+27.1	24,034	22,976
Textile mill products . . . . .	6,149	6,084	6,198	+1.1	-1.8	+0.4	6,772	6,447	5,374	6,491	+4.3	54,426	49,794
Broadwoven fabrics and other textiles . . . . .	3,862	3,820	3,881	+1.1	-1.6	-1.2	4,275	4,053	3,293	4,135	+3.4	34,544	31,571
Paper and allied products . . . . .	10,476	10,502	10,668	-0.2	-1.6	+1.6	10,749	10,711	10,438	10,720	+0.3	94,440	93,670
Pulp, paper, and paperboard mill products . . . . .	4,420	4,427	4,532	-0.2	-2.3	-0.1	4,477	4,467	4,452	4,491	-0.3	40,095	40,424
Paperboard containers and boxes . .	2,548	2,525	2,570	+0.9	-1.8	+0.1	2,589	2,609	2,467	2,452	+5.6	22,646	21,530
Miscellaneous converted paper products . . . . .	3,508	3,550	3,566	-1.2	-0.4	+4.9	3,683	3,635	3,519	3,777	-2.5	31,699	31,716
Chemicals and allied products . . . . .	24,897	24,637	25,458	+1.1	-3.2	+0.6	26,072	24,672	24,088	25,158	+3.6	224,549	219,250
Industrial chemicals . . . . .	12,976	13,106	13,422	-1.0	-2.4	+1.6	13,236	13,108	12,900	12,847	+3.0	116,376	115,864
Drugs, soaps, and toiletries . . . . .	9,329	8,897	9,293	+4.9	-4.3	+1.1	10,505	9,078	8,648	9,701	+8.3	81,378	75,942
Petroleum and coal products . . . . .	12,814	13,111	14,205	-2.3	-7.7	-1.3	14,175	13,926	14,283	13,873	+2.2	117,270	120,317
Rubber and plastics products . . . . .	8,758	8,791	8,989	-0.4	-2.2	+1.1	9,143	8,959	8,653	9,318	-1.9	81,168	78,086
All other nondurable goods . . . . .	20,381	19,818	20,939	+2.8	-5.4	+3.5	22,215	20,969	20,363	21,163	+5.0	178,724	173,092

<sup>P</sup> Preliminary. <sup>r</sup> Revised.

<sup>1</sup> Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

**Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS**  
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted <sup>1</sup>						
	Monthly			Percent Change			Monthly				Percent change Sept. 92/91	Year to date	
	Sept. 1992 <sup>P</sup>	Aug. 1992 <sup>r</sup>	July 1992	Aug.- Sept.	July- Aug.	June- July	Sept. 1992 <sup>P</sup>	Aug. 1992 <sup>r</sup>	July 1992	Sept. 1991		1992 <sup>P</sup>	1991
All manufacturing industries . . . . .	239,444	236,880	242,307	+1.1	-2.2	-0.9	256,458	236,506	222,388	249,046	+3.0	2,148,124	2,095,536
Manufacturing industries with unfilled orders . . . . .	124,995	124,607	127,309	+0.3	-2.1	-1.7	134,939	122,103	114,845	132,943	+1.5	1,132,991	1,121,699
without defense capital goods . . . . .	234,524	230,418	236,677	+1.8	-2.6	-0.3	249,948	231,649	217,912	242,117	+3.2	2,093,525	2,028,467
Durable goods industries . . . . .	119,204	119,376	119,861	-0.1	-0.4	-2.7	128,137	116,081	105,043	124,711	+2.7	1,079,392	1,047,057
With unfilled orders . . . . .	96,760	96,643	97,900	+0.1	-1.3	-3.0	105,086	93,196	86,868	102,573	+2.4	877,579	866,072
Stone, clay, and glass products . . . . .	5,492	5,321	5,644	+3.2	-5.7	+4.0	5,902	5,818	5,633	5,334	+10.6	48,006	44,472
Primary metals . . . . .	9,986	11,147	11,288	-10.4	-1.2	-1.9	10,170	10,829	10,570	11,041	-7.9	98,808	96,487
Blast furnaces, steel mills . . . . .	4,392	4,594	4,635	-4.4	-0.9	-4.5	4,442	4,514	4,459	4,653	-4.5	41,764	40,987
Iron and steel foundries . . . . .	897	982	913	-8.7	+7.6	-10.7	902	1,072	764	884	+2.0	8,772	8,046
Nonferrous and other primary metals . . . . .	4,697	5,571	5,740	-15.7	-2.9	+1.9	4,826	5,243	5,347	5,504	-12.3	48,272	47,454
Fabricated metal products . . . . .	13,869	13,142	12,906	+5.5	+1.8	-2.3	14,601	13,190	11,916	13,641	+7.0	118,159	116,511
Industrial machinery and equipment . . . . .	21,162	20,547	20,678	+3.0	-0.6	-2.6	23,267	19,212	17,796	22,378	+4.0	184,308	179,565
Engines and turbines . . . . .	1,930	1,581	1,513	+22.1	+4.5	-20.3	2,218	1,587	1,287	2,744	-19.2	13,959	14,869
Construction, mining and material handling equipment . . . . .	2,525	2,413	2,245	+4.6	+7.5	-4.8	2,550	2,254	2,140	2,672	-4.6	20,503	21,826
Metalworking machinery . . . . .	2,316	1,920	2,157	+20.6	-11.0	+4.6	2,484	1,813	1,884	2,277	+9.1	18,890	17,356
Computer and office equipment . . . . .	5,780	6,027	5,777	-4.1	+4.3	-2.5	7,426	5,410	4,347	6,103	+21.7	50,201	45,386
Electronic and other electrical equipment . . . . .	18,351	17,343	18,157	+5.8	-4.5	+3.9	19,736	17,098	16,258	17,727	+11.3	155,023	146,048
Electrical transmission and distribution equipment and industrial apparatus . . . . .	2,164	2,313	2,279	-6.4	+1.5	+0.3	2,433	2,251	2,036	2,374	+2.5	20,602	20,624
Electric lighting and wiring equipment . . . . .	1,641	1,685	1,649	-2.6	+2.2	-1.8	1,801	1,693	1,412	1,784	+1.0	14,911	14,824
Communications equipment . . . . .	4,291	3,709	4,336	+15.7	-14.5	+13.3	4,728	3,517	3,810	3,777	+25.2	33,635	28,101
Electronic components . . . . .	5,927	5,475	5,639	+8.3	-2.9	+1.0	5,925	5,341	5,125	5,150	+15.0	48,831	46,349
Transportation equipment . . . . .	26,340	28,399	27,610	-7.3	+2.9	-12.0	28,961	26,703	20,540	30,544	-5.2	264,591	262,701
Aircraft, missiles, space vehicles, and parts. . . . .	6,249	7,367	7,089	-15.2	+3.9	-28.5	8,125	5,835	5,464	8,886	-8.6	74,646	91,279
Shipbuilding and tanks . . . . .	311	510	288	-39.0	+77.1	-29.1	319	517	296	-144	-321.5	5,652	9,314
Instruments and related products . . . . .	10,137	10,042	9,759	+0.9	+2.9	+6.8	10,909	9,347	9,034	10,618	+2.7	87,066	88,767
Search and navigation equipment . . . . .	2,750	2,111	2,212	+30.3	-4.6	+21.9	3,004	1,672	2,087	2,777	+8.2	20,332	23,417
Measuring and controlling devices . . . . .	2,520	2,547	2,648	-1.1	-3.8	+0.8	2,683	2,510	2,431	2,579	+4.0	23,200	22,785
Medical instruments and supplies . . . . .	2,821	3,316	2,883	-14.9	+15.0	+7.8	2,990	3,236	2,738	3,038	-1.6	25,710	24,538
All other durable goods . . . . .	13,867	13,435	13,819	+3.2	-2.8	+0.3	14,591	13,884	13,296	13,428	+8.7	123,431	112,506
Nondurable goods industries . . . . .	120,240	117,504	122,446	+2.3	-4.0	+0.9	128,321	120,425	117,345	124,335	+3.2	1,068,732	1,048,479
With unfilled orders . . . . .	28,235	27,964	29,409	+1.0	-4.9	+2.5	29,853	28,907	27,977	30,370	-1.7	255,412	255,627

<sup>P</sup> Preliminary. <sup>r</sup> Revised.

<sup>1</sup> Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

(n) When new orders for a prior month are negative because of cancellations, the percentage change calculation is algebraically negative, even though there is a net dollar increase from the prior month to the current month.

**Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS**  
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change Sept. 92/91
	Sept. 1992 <sup>P</sup>	Aug. 1992 <sup>r</sup>	July 1992	Aug.- Sept.	July- Aug.	June- July	Sept. 1992 <sup>P</sup>	Aug. 1992 <sup>r</sup>	July 1992	Sept. 1991	
All manufacturing industries . . . . .	475,911	481,749	485,883	-1.2	-0.9	-1.0	475,049	481,181	487,247	511,536	-7.1
Manufacturing industries without defense capital goods . . . . .	347,428	350,094	352,947	-0.8	-0.8	-0.7	347,722	351,613	355,042	366,413	-5.1
Durable goods industries . . . . .	453,260	458,755	462,743	-1.2	-0.9	-1.1	451,820	457,579	463,647	488,010	-7.4
Stone, clay, and glass products . . . . .	6,866	6,929	7,036	-0.9	-1.5	+1.8	7,025	7,195	7,209	6,564	+7.0
Primary metals . . . . .	20,405	21,291	21,065	-4.2	+1.1	+0.6	19,946	21,111	21,414	21,950	-9.1
Blast furnaces, steel mills . . . . .	7,843	8,088	8,122	-3.0	-0.4	-0.1	7,757	8,077	8,223	9,353	-17.1
Iron and steel foundries . . . . .	2,742	2,820	2,818	-2.8	+0.1	-1.4	2,723	2,860	2,809	2,925	-6.9
Nonferrous and other primary metals . . . . .	9,820	10,383	10,125	-5.4	+2.5	+1.7	9,466	10,174	10,382	9,672	-2.1
Fabricated metal products . . . . .	22,941	22,544	22,802	+1.8	-1.1	-2.1	23,023	22,655	22,953	24,942	-7.7
Industrial machinery and equipment . . . . .	51,290	51,170	51,547	+0.2	-0.7	-0.7	51,255	51,167	51,458	55,091	-7.0
Engines and turbines . . . . .	10,988	10,736	10,624	+2.3	+1.1	+0.1	11,052	10,764	10,511	10,737	+2.9
Construction, mining and material handling equipment . . . . .	6,081	6,053	6,039	+0.5	+0.2	-0.8	6,026	5,946	5,998	6,182	-2.5
Metalworking machinery . . . . .	7,594	7,684	8,010	-1.2	-4.1	+0.7	7,594	7,684	8,010	7,702	-1.4
Computer and office equipment . . . . .	7,948	7,971	7,893	-0.3	+1.0	-4.5	8,123	8,166	8,020	10,866	-25.2
Electronic and other electrical equipment . . . . .	42,311	42,007	41,957	+0.7	+0.1	0.0	41,995	42,104	42,164	41,897	+0.2
Electrical transmission and distribution equipment and industrial apparatus . . . . .	5,787	6,008	6,033	-3.7	-0.4	-2.5	5,766	6,016	6,026	6,418	-10.2
Electric lighting and wiring equipment . . . . .	2,756	2,838	2,814	-2.9	+0.9	-1.4	2,756	2,838	2,814	2,958	-6.8
Communications equipment . . . . .	14,530	14,391	14,431	+1.0	-0.3	+0.4	14,520	14,375	14,473	14,469	+0.4
Electronic components . . . . .	14,813	14,485	14,333	+2.3	+1.1	+1.5	14,487	14,469	14,452	13,488	+7.4
Transportation equipment . . . . .	249,075	253,945	257,219	-1.9	-1.3	-1.5	248,242	252,259	256,473	271,437	-8.5
Aircraft, missiles, space vehicles, and parts . . . . .	218,083	221,668	224,107	-1.6	-1.1	-1.3	217,188	219,875	223,241	235,000	-7.6
Shipbuilding and tanks . . . . .	23,454	24,248	24,827	-3.3	-2.3	-3.2	23,580	24,406	24,974	28,706	-17.9
Instruments and related products . . . . .	52,771	53,113	53,189	-0.6	-0.1	-0.8	52,552	52,855	53,294	58,645	-10.4
Search and navigation equipment . . . . .	35,651	35,605	36,121	+0.1	-1.4	-1.3	35,400	35,327	36,214	40,325	-12.2
Measuring and controlling devices . . . . .	8,216	8,413	8,508	-2.3	-1.1	+0.3	8,216	8,413	8,508	8,737	-6.0
Medical instruments and supplies . . . . .	7,992	8,141	7,647	-1.8	+6.5	+0.6	7,992	8,141	7,647	8,554	-6.6
All other durable goods . . . . .	7,601	7,756	7,928	-2.0	-2.2	+0.5	7,782	8,233	8,682	7,484	+4.0
Nondurable goods industries . . . . .	22,651	22,994	23,140	-1.5	-0.6	+0.1	23,229	23,602	23,600	23,526	-1.3

<sup>P</sup> Preliminary. <sup>r</sup> Revised.

**Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS**  
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change Sept. 92/91
	Sept. 1992 <sup>P</sup>	Aug. 1992 <sup>F</sup>	July 1992	Aug.- Sept.	July- Aug.	June- July	Sept. 1992 <sup>P</sup>	Aug. 1992 <sup>F</sup>	July 1992	Sept. 1991	
All manufacturing industries . . . . .	384,583	385,596	383,491	-0.3	+0.5	+0.2	383,011	386,989	383,467	387,889	-1.3
Manufacturing industries with unfilled orders . . . . .	256,486	257,644	256,541	-0.4	+0.4	-0.1	255,466	259,787	258,055	265,470	-3.8
without defense capital goods . . . . .	352,898	352,691	349,809	+0.1	+0.8	+0.3	351,117	353,454	349,331	349,534	+0.5
Durable goods industries . . . . .	240,741	242,036	241,258	-0.5	+0.3	-0.3	239,649	243,425	241,616	250,126	-4.2
With unfilled orders . . . . .	222,356	223,683	222,930	-0.6	+0.3	-0.2	221,549	225,392	223,851	232,061	-4.5
Stone, clay, and glass products . . . . .	7,993	8,023	7,941	-0.4	+1.0	-0.2	7,762	7,945	7,966	7,741	+0.3
Primary metals . . . . .	19,896	19,974	19,833	-0.4	+0.7	0.0	19,987	20,023	19,838	20,816	-4.0
Blast furnaces, steel mills . . . . .	9,719	9,823	9,828	-1.1	-0.1	+0.1	9,777	9,844	9,809	10,334	-5.4
Iron and steel foundries . . . . .	1,434	1,428	1,414	+0.4	+1.0	-0.4	1,415	1,412	1,388	1,408	+0.5
Nonferrous and other primary metals . . . . .	8,743	8,723	8,591	+0.2	+1.5	-0.1	8,795	8,767	8,641	9,074	-3.1
Fabricated metal products . . . . .	23,194	23,310	23,258	-0.5	+0.2	+1.2	22,919	23,215	23,224	22,736	+0.8
Industrial machinery and equipment . . . . .	44,997	45,161	44,906	-0.4	+0.6	+0.1	44,889	45,452	44,894	47,560	-5.6
Engines and turbines . . . . .	3,489	3,582	3,489	-2.6	+2.7	+3.2	3,537	3,732	3,563	3,542	-0.1
Farm and garden machinery . . . . .	2,350	2,311	2,319	+1.7	-0.3	+0.3	2,298	2,228	2,219	2,369	-3.0
Construction, mining and material handling equipment . . . . .	5,951	5,929	5,970	+0.4	-0.7	-0.6	5,903	5,893	5,920	6,710	-12.0
Metalworking machinery . . . . .	5,670	5,659	5,677	+0.2	-0.3	+1.5	5,693	5,738	5,698	5,714	-0.4
Computer and office equipment . . . . .	9,409	9,582	9,387	-1.8	+2.1	-0.5	9,503	9,851	9,490	10,280	-7.6
Electronic and other electrical equipment . . . . .	31,022	31,097	30,895	-0.2	+0.7	-0.4	30,789	31,391	31,140	31,197	-1.3
Electrical transmission and distribution equipment and industrial apparatus . . . . .	4,246	4,331	4,311	-2.0	+0.5	+1.0	4,201	4,341	4,301	4,354	-3.5
Household appliances . . . . .	2,681	2,715	2,719	-1.3	-0.1	-1.5	2,563	2,636	2,705	2,651	-3.3
Electric lighting and wiring equipment . . . . .	3,001	3,000	2,990	0.0	+0.3	+1.0	2,986	3,017	3,044	3,015	-1.0
Household audio and video equipment . . . . .	1,229	1,230	1,236	-0.1	-0.5	-2.1	1,273	1,299	1,286	1,156	+10.1
Communications equipment . . . . .	7,303	7,414	7,314	-1.5	+1.4	-1.2	7,225	7,527	7,348	7,113	+1.6
Electronic components . . . . .	8,970	8,916	8,841	+0.6	+0.8	0.0	9,006	9,047	8,951	9,378	-4.0
Transportation equipment . . . . .	69,525	70,330	70,146	-1.1	+0.3	-1.0	69,313	70,989	70,143	75,812	-8.6
Motor vehicles and parts . . . . .	12,658	12,483	12,230	+1.4	+2.1	-0.4	12,657	12,536	11,725	12,745	-0.7
Aircraft, missiles, space vehicles, and parts . . . . .	52,773	53,416	53,536	-1.2	-0.2	-1.2	52,552	53,917	53,963	58,772	-10.6
Shipbuilding and tanks . . . . .	1,763	2,057	2,025	-14.3	+1.6	-2.0	1,794	2,159	2,102	2,012	-10.8
Instruments and related products . . . . .	23,905	23,867	23,920	+0.2	-0.2	0.0	23,853	24,139	24,126	24,795	-3.8
Search and navigation equipment . . . . .	7,326	7,381	7,485	-0.7	-1.4	-0.5	7,319	7,554	7,636	8,502	-13.9
Measuring and controlling devices . . . . .	6,697	6,667	6,685	+0.4	-0.3	-0.1	6,704	6,714	6,703	6,832	-1.9
Medical instruments and supplies . . . . .	6,326	6,285	6,232	+0.7	+0.9	+1.2	6,250	6,274	6,226	5,952	+5.0
Photographic goods . . . . .	2,913	2,888	2,871	+0.9	+0.6	-0.7	2,951	2,947	2,905	2,870	+2.8
All other durable goods . . . . .	20,209	20,274	20,359	-0.3	-0.4	-0.5	20,137	20,271	20,285	19,469	+3.4
Nondurable goods industries . . . . .	143,842	143,560	142,233	+0.2	+0.9	+0.9	143,362	143,564	141,851	137,763	+4.1
With unfilled orders . . . . .	34,130	33,961	33,611	+0.5	+1.0	+0.5	33,917	34,395	34,204	33,409	+1.5
Food and kindred products . . . . .	30,603	30,713	30,558	-0.4	+0.5	+0.1	31,198	30,855	29,663	30,258	+3.1
Meat products . . . . .	2,793	2,811	2,786	-0.6	+0.9	+0.6	2,751	2,755	2,772	2,800	-1.8
Dairy products . . . . .	2,874	2,908	2,876	-1.2	+1.1	-1.2	2,860	3,004	2,974	2,472	+15.7
Beverages . . . . .	5,729	5,722	5,670	+0.1	+0.9	+1.0	5,712	5,573	5,578	5,335	+7.1
All other foods, except fats and oils . . . . .	17,591	17,580	17,545	+0.1	+0.2	0.0	18,453	18,050	16,827	18,175	+1.5
Tobacco products . . . . .	6,698	6,913	6,751	-3.1	+2.4	+4.5	6,517	6,675	6,307	6,269	+4.0
Textile mill products . . . . .	9,099	9,093	9,032	+0.1	+0.7	+1.0	9,009	9,199	9,213	8,580	+5.0
Broadwoven fabrics and other textiles . . . . .	5,310	5,300	5,268	+0.2	+0.6	+2.8	5,193	5,312	5,344	5,018	+3.5
Paper and allied products . . . . .	13,758	13,744	13,631	+0.1	+0.8	+0.6	13,444	13,590	13,632	12,994	+3.5
Pulp, paper, and paperboard mill products . . . . .	5,796	5,796	5,725	0.0	+1.2	-0.7	5,645	5,714	5,687	5,214	+8.3
Paperboard containers and boxes . . . . .	3,245	3,275	3,293	-0.9	-0.5	+0.5	3,219	3,244	3,309	3,182	+1.2
Miscellaneous converted paper products . . . . .	4,717	4,673	4,613	+0.9	+1.3	+2.1	4,580	4,632	4,636	4,598	-0.4
Chemicals and allied products . . . . .	34,994	34,733	34,221	+0.8	+1.5	+1.0	34,400	34,503	34,245	33,045	+4.1
Industrial chemicals . . . . .	17,719	17,533	17,335	+1.1	+1.1	+0.2	17,453	17,358	17,373	16,941	+3.0
Drugs, soaps, and toiletries . . . . .	12,692	12,658	12,417	+0.3	+1.9	+1.7	12,552	12,837	12,610	11,727	+7.0
Petroleum and coal products . . . . .	11,911	11,985	12,071	-0.6	-0.7	+2.1	12,036	11,880	12,025	12,127	-0.8
Rubber and plastics products . . . . .	11,320	11,195	11,112	+1.1	+0.7	+0.3	11,169	11,012	11,019	10,990	+1.6
All other nondurable goods . . . . .	25,459	25,184	24,857	+1.1	+1.3	+0.7	25,589	25,850	25,747	23,500	+8.9

<sup>P</sup> Preliminary. <sup>F</sup> Revised.

**Table 5. VALUE OF MANUFACTURERS' SHIPMENTS AND NEW ORDERS  
FOR TOPICAL SERIES<sup>1</sup>  
(Millions of dollars)**

Industry	Seasonally adjusted						Not seasonally adjusted <sup>2</sup>						
	Monthly			Percent Change			Monthly				Percent change Sept. 92/91	Year to date	
	Sept. 1992 <sup>P</sup>	Aug. 1992 <sup>r</sup>	July 1992	Aug.- Sept.	July- Aug.	June- July	Sept. 1992 <sup>P</sup>	Aug. 1992 <sup>r</sup>	July 1992	Sept. 1991		1992 <sup>P</sup>	1991
SHIPMENTS													
All manufacturing industries . . . . .	245,282	241,014	247,216	+1.8	-2.5	0.0	262,590	242,572	226,244	254,174	+3.3	2,175,340	2,102,671
Market categories :													
Automotive equipment . . . . .	9,581	9,900	9,569	-3.2	+3.5	-1.5	9,970	9,793	7,053	9,866	+1.1	86,543	76,270
Home goods and apparel . . . . .	17,095	16,799	17,112	+1.8	-1.8	+3.8	19,245	18,080	16,212	17,409	+10.5	148,046	133,195
Consumer staples . . . . .	56,490	54,006	56,533	+4.6	-4.5	+0.6	60,902	54,625	53,475	57,909	+5.2	490,584	483,486
Machinery and equipment . . . . .	40,171	39,548	39,905	+1.6	-0.9	-2.4	43,422	37,615	34,488	42,073	+3.2	353,438	338,603
Business supplies . . . . .	18,690	18,490	19,659	+1.1	-5.9	+1.8	19,682	18,601	18,401	19,842	-0.8	168,656	171,968
Construction materials and supplies . . . . .	15,720	15,311	15,434	+2.7	-0.8	+0.1	17,026	16,268	15,089	15,455	+10.2	138,177	126,533
Defense products . . . . .	8,394	7,988	8,268	+5.1	-3.4	+0.5	9,080	7,801	7,395	9,428	-3.7	73,037	74,525
Other materials, supplies and and intermediate products . . . . .	79,141	78,972	80,736	+0.2	-2.2	-0.3	83,263	79,789	74,131	82,192	+1.3	716,859	698,091
Durable goods industries :													
Nondefense capital goods <sup>3</sup> . . . . .	31,848	31,173	31,847	+2.2	-2.1	-3.0	35,311	29,348	27,980	34,043	+3.7	280,020	270,932
Excluding aircraft and parts . . . . .	26,377	25,588	26,227	+3.1	-2.4	+0.2	29,293	24,242	22,933	27,217	+7.6	226,544	217,217
Defense capital goods <sup>4</sup> . . . . .	8,092	7,743	8,076	+4.5	-4.1	+0.2	8,751	7,494	7,096	9,361	-6.5	70,903	73,783
Durables excluding capital goods . . . . .	84,759	84,448	84,866	+0.4	-0.5	-0.1	89,834	85,307	74,225	86,733	+3.6	756,373	711,884
Miscellaneous series :													
Producers' durable equipment . . . . .	77,968	77,290	78,024	+0.9	-0.9	-1.7	83,865	75,063	65,772	81,275	+3.2	691,368	653,164
Household durable goods . . . . .	7,281	7,194	7,353	+1.2	-2.2	+5.6	8,274	7,378	6,284	7,820	+5.8	63,002	58,709
Information technology industries . . . . .	14,548	14,140	14,854	+2.9	-4.8	+3.0	16,985	13,186	12,361	15,198	+11.8	124,952	115,558
Health care equipment and products . . . . .	8,033	7,655	7,886	+4.9	-2.9	-0.9	8,830	7,675	7,390	8,251	+7.0	70,118	66,195
NEW ORDERS													
All manufacturing industries . . . . .	239,444	236,880	242,307	+1.1	-2.2	-0.9	256,458	236,506	222,388	249,046	+3.0	2,148,124	2,095,536
Market categories :													
Automotive equipment . . . . .	9,560	9,874	9,544	-3.2	+3.5	-1.6	9,936	9,769	7,070	10,070	-1.3	86,512	76,550
Home goods and apparel . . . . .	16,968	16,900	17,192	+0.4	-1.7	+2.2	18,958	18,034	16,552	17,546	+8.0	149,680	135,342
Consumer staples . . . . .	56,497	53,997	56,580	+4.6	-4.6	+0.7	60,908	54,646	53,566	57,902	+5.2	490,641	483,532
Machinery and equipment . . . . .	38,531	36,984	37,781	+4.2	-2.1	-3.6	41,727	34,962	32,447	40,330	+3.5	343,790	332,210
Business supplies . . . . .	18,644	18,440	19,675	+1.1	-6.3	+1.5	19,621	18,595	18,530	19,883	-1.3	168,753	172,094
Construction materials and supplies . . . . .	15,810	15,283	15,379	+3.4	-0.6	-0.1	17,075	16,176	15,138	15,413	+10.8	138,380	127,523
Defense products . . . . .	5,301	6,929	5,914	-23.5	+17.2	-23.0	6,976	5,454	4,849	7,162	-2.6	57,521	67,863
Other materials, supplies and and intermediate products . . . . .	78,133	78,473	80,242	-0.4	-2.2	+0.1	81,257	78,870	74,236	80,740	+0.6	712,847	700,422
Durable goods industries :													
Nondefense capital goods <sup>3</sup> . . . . .	30,362	28,153	29,296	+7.8	-3.9	-5.4	33,814	26,464	25,528	31,664	+6.8	269,121	267,025
Excluding aircraft and parts . . . . .	26,313	24,779	25,559	+6.2	-3.1	-1.3	29,218	23,569	22,364	27,273	+7.1	224,841	212,825
Defense capital goods <sup>4</sup> . . . . .	4,920	6,462	5,630	-23.9	+14.8	-21.4	6,510	4,857	4,476	6,929	-6.0	54,599	67,069
Durables excluding capital goods . . . . .	83,922	84,761	84,935	-1.0	-0.2	-0.1	87,813	84,760	75,039	86,118	+2.0	755,672	712,963
Miscellaneous series :													
Producers' durable equipment . . . . .	76,104	74,639	75,274	+2.0	-0.8	-3.6	81,586	72,277	63,979	80,021	+2.0	680,934	644,838
Household durable goods . . . . .	7,293	7,161	7,388	+1.8	-3.1	+6.3	8,037	7,269	6,497	7,666	+4.8	63,914	59,936
Information technology industries . . . . .	14,765	13,994	14,527	+5.5	-3.7	+3.9	17,169	13,092	12,117	14,660	+17.1	123,466	114,243
Health care equipment and products . . . . .	7,883	8,148	7,932	-3.3	+2.7	+3.5	8,680	8,167	7,437	8,305	+4.5	69,915	65,828

<sup>P</sup> Preliminary. <sup>r</sup> Revised.

<sup>1</sup> Topical series are regroupings of the separate industry categories.

<sup>2</sup> Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

<sup>3</sup> Nondefense capital goods industries include : ordnance and accessories; steam, gas and hydraulic turbines; internal combustion engines; construction, mining, and material handling equipment; metalworking machinery; special industry machinery; general industrial machinery; computer and office equipment; refrigeration, heating and service industry machinery; electrical transmission and distribution equipment; electrical industrial apparatus; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships and tank components; railroad equipment; and search and navigation equipment.

<sup>4</sup> Defense capital goods industries include : ordnance and accessories; communications equipment; aircraft, missiles, space vehicles, and engines and parts; ships, tanks and tank components; and search and navigation equipment.

**Table 6. VALUE OF MANUFACTURERS' UNFULFILLED ORDERS AND TOTAL INVENTORIES  
FOR TOPICAL SERIES<sup>1</sup>  
(Millions of dollars)**

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change Sept. 92/91
	Sept. 1992 <sup>P</sup>	Aug. 1992 <sup>F</sup>	July 1992	Aug.-Sept.	July-Aug.	June-July	Sept. 1992 <sup>P</sup>	Aug. 1992 <sup>F</sup>	July 1992	Sept. 1991	
UNFULFILLED ORDERS											
All manufacturing industries . . . . .	475,911	481,749	485,883	-1.2	-0.9	-1.0	475,049	481,181	487,247	511,536	-7.1
Market categories :											
Automotive equipment . . . . .	1,653	1,674	1,700	-1.3	-1.5	-1.4	1,643	1,677	1,701	1,787	-8.1
Home goods and apparel . . . . .	9,664	9,790	9,689	-1.3	+1.0	+0.8	10,073	10,359	10,406	9,856	+2.2
Consumer staples . . . . .	1,297	1,290	1,299	+0.5	-0.7	+3.7	1,341	1,336	1,315	1,344	-0.2
Machinery and equipment . . . . .	204,172	205,811	208,375	-0.8	-1.2	-1.0	204,214	205,909	208,562	216,765	-5.8
Business supplies . . . . .	5,708	5,754	5,804	-0.8	-0.9	+0.3	5,854	5,915	5,921	6,037	-3.0
Construction materials and supplies . . . . .	13,997	13,907	13,935	+0.6	-0.2	-0.4	14,081	14,032	14,124	14,246	-1.2
Defense products . . . . .	121,658	124,752	125,811	-2.5	-0.8	-1.8	120,506	122,610	124,958	136,544	-11.7
Other materials, supplies and and intermediate products . . . . .	117,762	118,771	119,270	-0.8	-0.4	-0.4	117,337	119,343	120,260	124,957	-6.1
Durable goods industries :											
Nondefense capital goods <sup>3</sup> . . . . .	223,635	225,121	228,141	-0.7	-1.3	-1.1	223,702	225,199	228,083	238,060	-6.0
Excluding aircraft and parts . . . . .	72,893	72,957	73,766	-0.1	-1.1	-0.9	72,960	73,035	73,708	77,291	-5.6
Defense capital goods <sup>4</sup> . . . . .	128,483	131,655	132,936	-2.4	-1.0	-1.8	127,327	129,568	132,205	145,123	-12.3
Durables excluding capital goods . . . . .	101,142	101,979	101,666	-0.8	+0.3	+0.1	100,791	102,812	103,359	104,827	-3.9
Miscellaneous series :											
Producers' durable equipment . . . . .	225,956	227,820	230,471	-0.8	-1.2	-1.2	226,329	228,608	231,394	241,655	-6.3
Household durable goods . . . . .	5,207	5,195	5,228	+0.2	-0.6	+0.7	5,402	5,639	5,748	5,470	-1.2
Information technology industries . . . . .	31,986	31,769	31,915	+0.7	-0.5	-1.0	32,155	31,971	32,065	35,354	-9.0
Health care equipment and products . . . . .	8,020	8,170	7,676	-1.8	+6.4	+0.6	8,020	8,170	7,677	8,582	-6.5
TOTAL INVENTORIES											
All manufacturing industries . . . . .	384,583	385,596	383,491	-0.3	+0.5	+0.2	383,011	386,989	383,467	387,889	-1.3
Market categories :											
Automotive equipment . . . . .	6,482	6,431	6,318	+0.8	+1.8	-0.3	6,421	6,410	6,120	6,461	-0.6
Home goods and apparel . . . . .	29,159	29,143	29,014	+0.1	+0.4	+0.5	28,951	29,430	29,685	26,091	+11.0
Consumer staples . . . . .	59,424	59,612	59,073	-0.3	+0.9	+1.3	59,814	59,817	58,146	57,992	+3.1
Machinery and equipment . . . . .	88,204	88,196	87,218	0.0	+1.1	-0.1	87,510	88,614	87,259	90,192	-3.0
Business supplies . . . . .	22,215	22,115	21,792	+0.5	+1.5	+0.4	22,289	22,359	21,994	22,299	0.0
Construction materials and supplies . . . . .	22,964	22,998	23,062	-0.1	-0.3	0.0	22,666	22,908	23,073	22,380	+1.3
Defense products . . . . .	29,797	30,770	31,309	-3.2	-1.7	-1.5	29,918	31,331	31,726	35,725	-16.3
Other materials, supplies and and intermediate products . . . . .	126,338	126,331	125,705	0.0	+0.5	+0.2	125,442	126,120	125,464	126,749	-1.0
Durable goods industries :											
Nondefense capital goods <sup>3</sup> . . . . .	82,871	83,091	82,130	-0.3	+1.2	-0.2	82,289	83,724	82,471	86,017	-4.3
Excluding aircraft and parts . . . . .	53,819	54,490	54,208	-1.2	+0.5	0.0	53,617	55,114	54,467	56,371	-4.9
Defense capital goods <sup>4</sup> . . . . .	31,685	32,905	33,682	-3.7	-2.3	-1.4	31,894	33,535	34,136	38,355	-16.8
Durables excluding capital goods . . . . .	126,185	126,040	125,446	+0.1	+0.5	0.0	125,466	126,166	125,009	125,754	-0.2
Miscellaneous series :											
Producers' durable equipment . . . . .	143,115	143,111	141,772	0.0	+0.9	0.0	142,047	143,669	141,530	144,214	-1.5
Household durable goods . . . . .	12,961	13,061	13,046	-0.8	+0.1	0.0	12,850	13,176	13,215	12,430	+3.4
Information technology industries . . . . .	27,785	27,990	27,749	-0.7	+0.9	-0.7	27,788	28,508	27,998	28,610	-2.9
Health care equipment and products . . . . .	13,219	13,159	12,979	+0.5	+1.4	+1.4	13,068	13,241	13,075	12,331	+6.0

See footnotes at end of table 5.

**Table 7. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION,  
BY INDUSTRY GROUP**  
(Millions of dollars)

Industry	Seasonally adjusted						Not seasonally adjusted				
	Monthly			Percent Change			Monthly				Percent change Sept. 92/91
	Sept. 1992 <sup>P</sup>	Aug. 1992 <sup>r</sup>	July 1992	Aug.- Sept.	July- Aug.	June- July	Sept. 1992 <sup>P</sup>	Aug. 1992 <sup>r</sup>	July 1992	Sept. 1991	
<b>MATERIALS AND SUPPLIES</b>											
All manufacturing industries . . . . .	120,253	120,086	119,762	+0.1	+0.3	-0.1	119,646	119,879	119,216	119,699	0.0
Durable goods industries . . . . .	67,416	67,304	66,800	+0.2	+0.8	-0.7	67,522	67,678	66,601	68,846	-1.9
Stone, clay, and glass products . . . . .	2,470	2,467	2,421	+0.1	+1.9	+0.4	2,445	2,473	2,439	2,456	-0.4
Primary metals . . . . .	6,150	6,151	6,164	0.0	-0.2	-0.9	6,297	6,210	6,141	6,604	-4.6
Fabricated metal products . . . . .	8,136	8,190	8,171	-0.7	+0.2	+0.5	8,135	8,255	8,185	8,152	-0.2
Industrial machinery and equipment . . . . .	13,666	13,484	13,136	+1.3	+2.6	-0.3	13,716	13,541	13,126	13,698	+0.1
Electronic and other . . . . .											
electrical equipment . . . . .	9,095	9,123	9,024	-0.3	+1.1	-2.3	9,055	9,189	9,092	9,448	-4.2
Transportation equipment . . . . .	12,999	13,108	13,056	-0.8	+0.4	-1.6	12,892	13,203	12,856	14,114	-8.7
Instruments and related products . . . . .	7,169	7,089	7,011	+1.1	+1.1	0.0	7,161	7,142	7,052	6,741	+6.2
Lumber, furniture and . . . . .											
miscellaneous durable goods . . . . .	7,731	7,692	7,817	+0.5	-1.6	-0.5	7,821	7,665	7,710	7,633	+2.5
Nondurable goods industries . . . . .	52,837	52,782	52,962	+0.1	-0.3	+0.8	52,124	52,201	52,615	50,853	+2.5
Food and kindred products . . . . .	10,105	10,150	10,172	-0.4	-0.2	-0.3	9,702	9,826	9,937	9,444	+2.7
Tobacco products . . . . .	5,408	5,300	5,348	+2.0	-0.9	+2.0	5,271	4,999	4,977	4,803	+9.7
Textile mill products . . . . .	2,778	2,781	2,816	-0.1	-1.2	+2.4	2,709	2,787	2,896	2,456	+10.3
Paper and allied products . . . . .	6,838	6,888	6,884	-0.7	+0.1	+0.8	6,784	6,816	6,847	6,679	+1.6
Chemicals and allied products . . . . .	11,789	11,761	11,776	+0.2	-0.1	+0.3	11,721	11,807	11,865	11,504	+1.9
Petroleum and coal products . . . . .	3,053	3,149	3,223	-3.0	-2.3	+8.3	3,025	3,123	3,197	3,196	-5.4
Rubber and plastics products . . . . .	4,406	4,366	4,381	+0.9	-0.3	+0.2	4,427	4,290	4,339	4,302	+2.9
Apparel, printing and publishing . . . . .											
and leather goods . . . . .	8,460	8,387	8,362	+0.9	+0.3	-0.6	8,485	8,553	8,557	8,469	+0.2
<b>WORK IN PROCESS</b>											
All manufacturing industries . . . . .	133,765	134,698	134,287	-0.7	+0.3	-0.7	134,218	135,987	135,120	142,775	-6.0
Durable goods industries . . . . .	110,657	111,741	111,644	-1.0	+0.1	-0.8	110,980	112,921	112,331	120,343	-7.8
Stone, clay, and glass products . . . . .	1,125	1,134	1,135	-0.8	-0.1	+1.5	1,092	1,123	1,140	1,101	-0.8
Primary metals . . . . .	7,361	7,476	7,490	-1.5	-0.2	-1.3	7,396	7,570	7,566	8,012	-7.7
Fabricated metal products . . . . .	7,467	7,506	7,541	-0.5	-0.5	+2.1	7,452	7,491	7,494	7,602	-2.0
Industrial machinery and equipment . . . . .	18,299	18,374	18,208	-0.4	+0.9	-1.1	18,550	18,432	18,176	20,001	-7.3
Electronic and other . . . . .											
electrical equipment . . . . .	13,256	13,222	12,944	+0.3	+2.1	+0.5	13,265	13,396	13,107	13,204	+0.5
Transportation equipment . . . . .	47,960	48,742	48,873	-1.6	-0.3	-1.5	48,046	49,338	49,245	53,556	-10.3
Instruments and related products . . . . .	11,031	11,110	11,265	-0.7	-1.4	-0.4	11,039	11,338	11,397	12,691	-13.0
Lumber, furniture and . . . . .											
miscellaneous durable goods . . . . .	4,158	4,177	4,188	-0.5	-0.3	-1.0	4,140	4,233	4,206	4,176	-0.9
Nondurable goods industries . . . . .	23,108	22,957	22,643	+0.7	+1.4	0.0	23,238	23,066	22,789	22,432	+3.6
Food and kindred products . . . . .	3,622	3,556	3,457	+1.9	+2.9	+1.0	3,626	3,339	3,308	3,599	+0.8
Tobacco products . . . . .	66	53	58	+24.5	-8.6	-4.9	80	45	44	94	-14.9
Textile mill products . . . . .	2,456	2,470	2,431	-0.6	+1.6	-0.9	2,485	2,510	2,463	2,523	-1.5
Paper and allied products . . . . .	1,108	1,107	1,113	+0.1	-0.5	+2.0	1,081	1,119	1,152	1,175	-8.0
Chemicals and allied products . . . . .	5,559	5,494	5,372	+1.2	+2.3	-1.5	5,560	5,570	5,418	5,232	+6.3
Petroleum and coal products . . . . .	3,171	3,073	3,055	+3.2	+0.6	-1.3	3,195	3,069	3,076	3,160	+1.1
Rubber and plastics products . . . . .	1,448	1,472	1,484	-1.6	-0.8	-0.4	1,459	1,480	1,468	1,587	-8.1
Apparel, printing and publishing . . . . .											
and leather goods . . . . .	5,678	5,732	5,673	-0.9	+1.0	+1.7	5,752	5,934	5,860	5,062	+13.6
<b>FINISHED GOODS</b>											
All manufacturing industries . . . . .	130,565	130,812	129,442	-0.2	+1.1	+1.3	129,147	131,123	129,131	125,415	+3.0
Durable goods industries . . . . .	62,668	62,991	62,814	-0.5	+0.3	+1.2	61,147	62,826	62,684	60,937	+0.3
Stone, clay, and glass products . . . . .	4,398	4,422	4,385	-0.5	+0.8	-0.9	4,225	4,349	4,387	4,184	+1.0
Primary metals . . . . .	6,385	6,347	6,179	+0.6	+2.7	+2.5	6,294	6,243	6,131	6,200	+1.5
Fabricated metal products . . . . .	7,591	7,614	7,546	-0.3	+0.9	+1.2	7,332	7,469	7,545	6,982	+5.0
Industrial machinery and equipment . . . . .	13,032	13,303	13,562	-2.0	-1.9	+2.2	12,623	13,479	13,592	13,861	-8.9
Electronic and other . . . . .											
electrical equipment . . . . .	8,671	8,752	8,927	-0.9	-2.0	+0.5	8,469	8,806	8,941	8,545	-0.9
Transportation equipment . . . . .	8,566	8,480	8,217	+1.0	+3.2	+2.8	8,375	8,448	8,042	8,142	+2.9
Instruments and related products . . . . .	5,705	5,668	5,644	+0.7	+0.4	+0.7	5,653	5,659	5,677	5,363	+5.4
Lumber, furniture and . . . . .											
miscellaneous durable goods . . . . .	8,320	8,405	8,354	-1.0	+0.6	-0.3	8,176	8,373	8,369	7,660	+6.7
Nondurable goods industries . . . . .	67,897	67,821	66,628	+0.1	+1.8	+1.3	68,000	68,297	66,447	64,478	+5.5
Food and kindred products . . . . .	16,876	17,007	16,929	-0.8	+0.5	+0.1	17,870	17,690	16,418	17,215	+3.8
Tobacco products . . . . .	1,224	1,560	1,345	-21.5	+16.0	+16.5	1,166	1,631	1,286	1,372	-15.0
Textile mill products . . . . .	3,865	3,842	3,785	+0.6	+1.5	+1.3	3,815	3,902	3,854	3,601	+5.9
Paper and allied products . . . . .	5,812	5,749	5,634	+1.1	+2.0	0.0	5,579	5,655	5,633	5,140	+8.5
Chemicals and allied products . . . . .	17,646	17,478	17,073	+1.0	+2.4	+2.3	17,119	17,126	16,962	16,309	+5.0
Petroleum and coal products . . . . .	5,687	5,763	5,793	-1.3	-0.5	+0.7	5,816	5,688	5,752	5,771	+0.8
Rubber and plastics products . . . . .	5,466	5,357	5,247	+2.0	+2.1	+0.6	5,283	5,242	5,212	5,101	+3.6
Apparel, printing and publishing . . . . .											
and leather goods . . . . .	11,321	11,065	10,822	+2.3	+2.2	+1.2	11,352	11,363	11,330	9,969	+13.9

<sup>P</sup> Preliminary. <sup>r</sup> Revised.

**Table 8. RATIOS OF MANUFACTURES' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP**  
(Based on seasonally adjusted data)

Industry	Inventory / Shipments ratio				Unfilled Orders / Shipments ratio <sup>1</sup>			
	Sept. 1992 <sup>p</sup>	Aug. 1992 <sup>r</sup>	July 1992	June 1992	Sept. 1992 <sup>p</sup>	Aug. 1992 <sup>r</sup>	July 1992	June 1992
All manufacturing industries . . . . .	1.57	1.60	1.55	1.55	3.64	3.74	3.67	3.71
Durable goods industries . . . . .	1.93	1.96	1.93	1.92	4.43	4.56	4.50	4.52
Stone, clay, and glass products . . . . .	1.44	1.48	1.44	1.50	1.33	1.38	1.38	1.41
Primary metals . . . . .	1.83	1.83	1.78	1.76	1.88	1.95	1.89	1.85
Fabricated metal products . . . . .	1.72	1.74	1.74	1.71	1.88	1.85	1.86	1.91
Industrial machinery and equipment . . . . .	2.14	2.16	2.13	2.07	2.55	2.56	2.58	2.53
Electronic and other electrical equipment . . . . .	1.72	1.80	1.70	1.79	2.34	2.43	2.31	2.43
Transportation equipment . . . . .	2.23	2.22	2.22	2.16	13.71	14.06	13.74	13.21
Instruments and related products . . . . .	2.28	2.36	2.35	2.28	5.04	5.25	5.23	5.12
Nondurable goods industries . . . . .	1.19	1.22	1.16	1.16	0.79	0.82	0.79	0.80
Food and kindred products . . . . .	0.91	0.94	0.94	0.94	(X)	(X)	(X)	(X)
Tobacco products . . . . .	1.88	3.38	2.04	1.83	(X)	(X)	(X)	(X)
Textile mill products . . . . .	1.48	1.49	1.46	1.45	(NA)	(NA)	(NA)	(NA)
Paper and allied products . . . . .	1.31	1.31	1.28	1.29	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products . . . . .	1.41	1.41	1.34	1.34	(X)	(X)	(X)	(X)
Petroleum and coal products . . . . .	0.93	0.91	0.85	0.82	(X)	(X)	(X)	(X)
Rubber and plastics products . . . . .	1.29	1.27	1.24	1.25	(X)	(X)	(X)	(X)

<sup>p</sup> Preliminary. <sup>r</sup> Revised. (X) Not applicable. (NA) Not available.

<sup>1</sup> Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels and drums; farm and garden machinery; motor vehicle assembly operations; other transportation equipment; foods and related products; tobacco; knitting mill products; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products.

**Table 9. REVISIONS TO PREVIOUSLY PUBLISHED MONTHLY PERCENT CHANGES**  
(Based on seasonally adjusted data)

Industry	Shipments			New orders			Unfilled orders			Inventories		
	Sept. <sup>1</sup> 1992	Sept. <sup>2</sup> 1987-1991	Sept. 1991-Aug. 1992	Sept. <sup>1</sup> 1992	Sept. <sup>2</sup> 1987-1991	Sept. 1991-Aug. 1992	Sept. <sup>1</sup> 1992	Sept. <sup>2</sup> 1987-1991	Sept. 1991-Aug. 1992	Sept. <sup>1</sup> 1992	Sept. <sup>2</sup> 1987-1991	Sept. 1991-Aug. 1992
All manufacturing industries . . . . .	(X)	0.2	0.1	(X)	0.2	0.3	(X)	0.0	0.1	(X)	0.0	0.1
Durable goods industries . . . . .	-0.3	0.2	0.2	0.3	0.3	0.5	0.1	0.1	0.1	(X)	0.0	0.1
Stone, clay, and glass products . . . . .	(X)	0.4	0.7	(X)	0.6	1.4	(X)	0.3	0.6	(X)	0.3	0.3
Primary metals . . . . .	0.0	0.5	0.2	-0.2	0.4	0.7	-0.1	0.2	0.3	(X)	0.1	0.1
Fabricated metal products . . . . .	(X)	0.3	0.3	(X)	0.8	0.7	(X)	0.2	0.3	(X)	0.2	0.2
Industrial machinery and equipment . . . . .	0.4	0.5	0.3	0.7	0.9	0.4	0.1	0.2	0.1	(X)	0.1	0.1
Electronic and other electrical equipment . . . . .	0.3	0.2	0.3	0.2	0.3	0.5	-0.1	0.0	0.1	(X)	0.0	0.1
Transportation equipment . . . . .	-1.4	0.2	0.5	1.1	0.4	1.5	0.3	0.0	0.1	(X)	0.0	0.2
Instruments and related products . . . . .	(X)	0.3	0.7	(X)	0.3	0.5	(X)	0.1	0.1	(X)	0.3	0.1
Nondurable goods industries . . . . .	(X)	0.2	0.1	(X)	0.2	0.1	(X)	0.4	0.5	(X)	0.1	0.2
Food and kindred products . . . . .	(X)	0.4	0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.3	0.4
Tobacco products . . . . .	(X)	0.2	2.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.0	0.1
Textile mill products . . . . .	(X)	0.9	0.5	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.3	0.4
Paper and allied products . . . . .	(X)	0.2	0.2	(X)	(NA)	(NA)	(X)	(NA)	(NA)	(X)	0.2	0.4
Chemicals and allied products . . . . .	(X)	0.2	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
Petroleum and coal products . . . . .	(X)	0.3	0.2	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.2	0.2
Rubber and plastics products . . . . .	(X)	0.7	0.4	(X)	(X)	(X)	(X)	(X)	(X)	(X)	0.1	0.2
Capital goods industries :												
Nondefense . . . . .	0.3	0.4	0.5	3.7	0.8	1.0	0.4	0.1	0.1	(X)	0.1	0.1
Defense . . . . .	-5.2	0.2	1.0	-8.2	0.7	5.5	-0.1	0.0	0.2	(X)	0.2	0.4

(X) Not applicable. (NA) Not available.

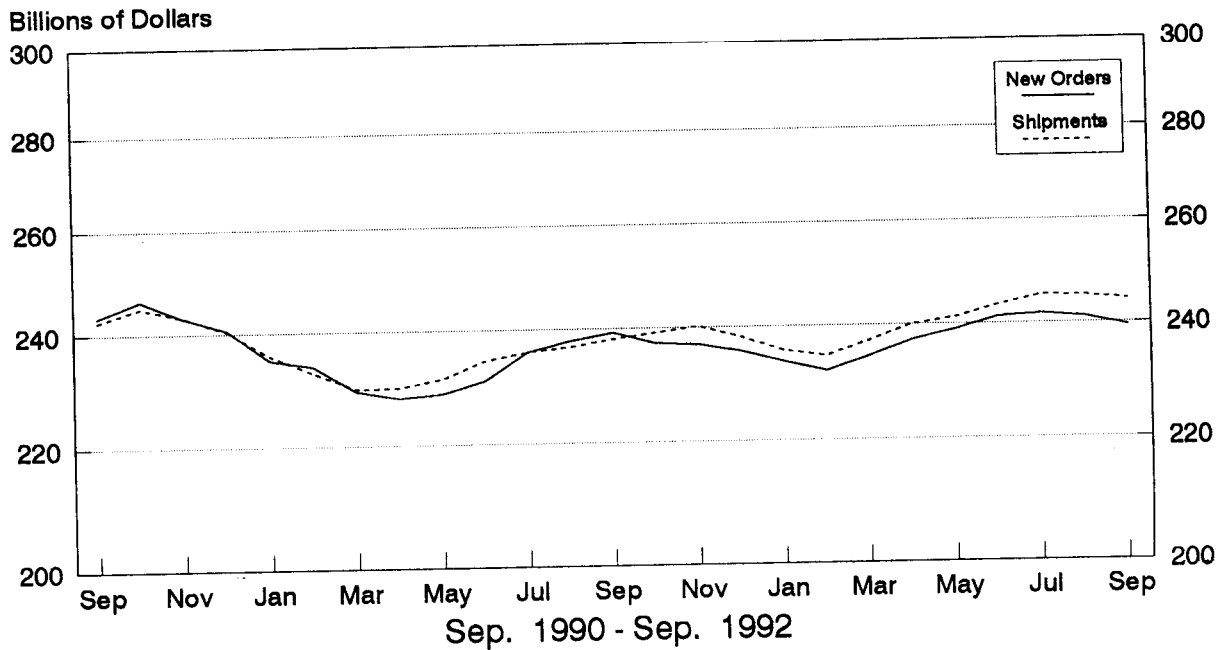
Note: The five year and the twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.

<sup>1</sup> The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

<sup>2</sup> Average for this month for the last five years.

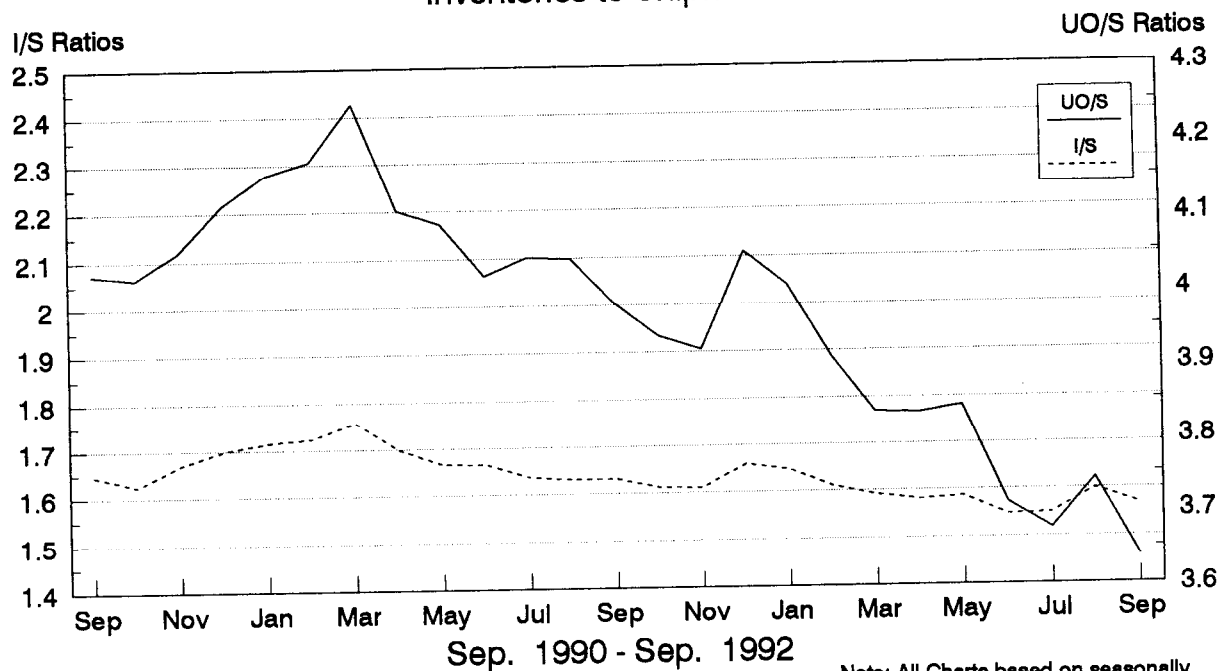
## Total Manufacturing

New Orders and Shipments  
Three Month Moving Averages



## Total Manufacturing

Ratio of Unfilled Orders and  
Inventories to Shipments



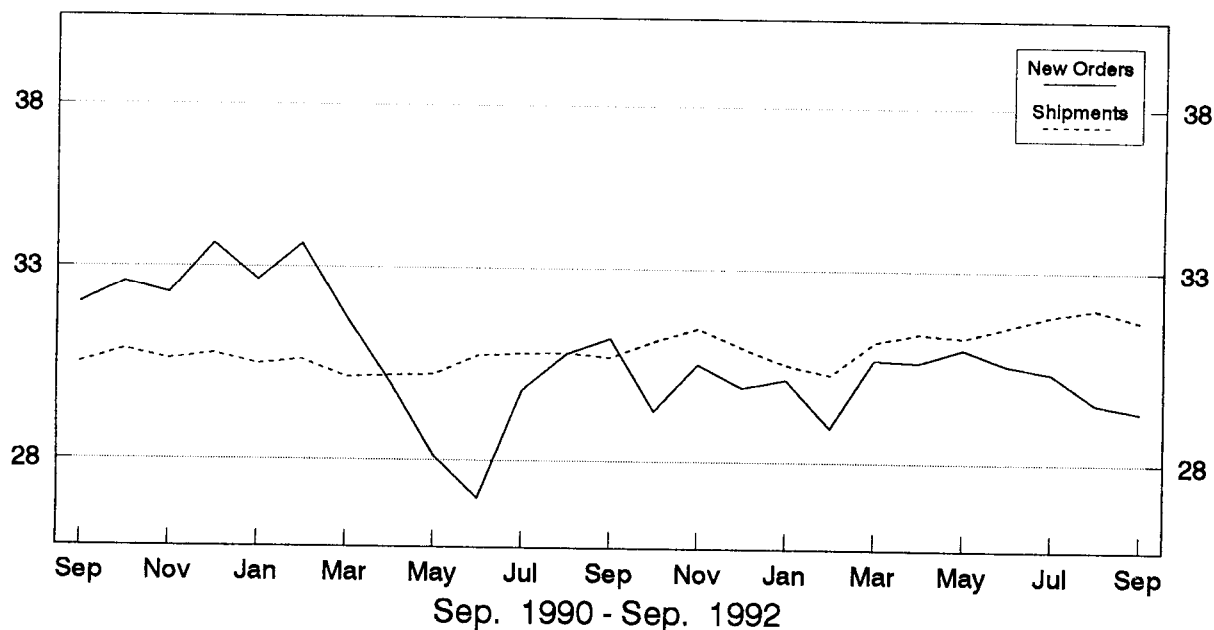
Note: All Charts based on seasonally  
adjusted current dollars.

# Nondefense Capital Goods

11

New Orders and Shipments  
Three Month Moving Averages

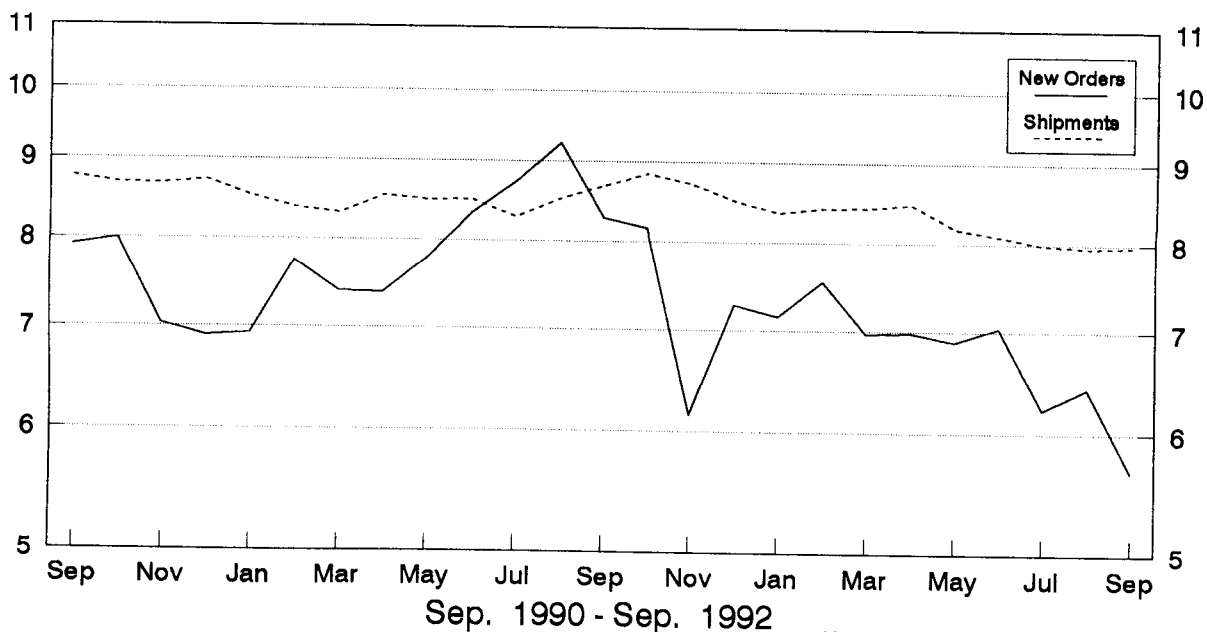
Billions of Dollars



# Defense Capital Goods

New Orders and Shipments  
Three Month Moving Averages

Billions of Dollars



Note: All Charts based on seasonally adjusted current dollars.